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OF A SIX-COMPONENT POWDER METALLURGY ALLOY OF THE
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JPRS 15903

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Order from OTS or SLA \$1.10 63-14597

Partial trans. (p. 24-28) of [Gorno-Obogatitel'noe
Delo] (USSR) 1932, no. 1, p. 22-28.

DESCRIPTORS: *Wastes (Industrial), *Flotation,
*Potassium compounds, *Sodium compounds, Chlorides,
Production, Fertilizers.

(Engineering--Chemical, TT, v. 10, no. 6)

63-14597

1. Title: Sylvinite
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63-14597

Office of Technical Services

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SYLVINITE WASTE INTO TABLE SALT. [1963] [10]p.
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(Engineering--Chemical, TT, v. 10, no. 6)

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Influence of Cavitation Intensity on the
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AEC UGIL-Tr-970

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Investigation of the Phase Diagram of the Ternary
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Experimental Induction of Lung Cancer in Rats
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(NY-5330)

Eliminate Shortcomings in Planning and Recording
Economic Indices, by V. V. Pylev, Ye. M. Bolshakova,
12 pp.

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JPRS 7112

Sci

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AMS-4r-4457
FL-480

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OTS 60-51168
PL-480

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PST No 117

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Action of Attracted Birds on the Population of
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Apr 61

PST No 117

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A Wave Recorder of New Design, by V. A. Pymsha,
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A.C.S.I.L. Trans 484

Sci - Engineering, meteorology

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Certain Specific Features of the Higher Nervous Activity of Fully Grown Animals Irradiated Antennally with Ionizing Radiation. Communication I. The Influence of Ionizing Radiation on the Offspring, by I. A. Pyotkovskiy, 4 pp.

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Pergamon Inst

Sci - Med

Apr 59

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Sanitary Protection of the Borders and the Present
International Epidemiological Situation, by I. M.
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RUSSIAN, per, ²our Mikrobiol, Epidemiol i Immunobiol,
No 10, 1960, pp 89-94. CIA 9075531

OTS 6-1960
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Sci - Biology
Apr 61

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(U)-C4100

The Bulgarian Merchant Fleet, by A.
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1961, pp 10-11.

JPRS 10922

ESur - ~~Relead~~ BULGARIAN
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Dec 61

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Proteins and Protein-like Compounds in Tobacco, by
C. Pyriki.

GERMAN, per, Institut fuer Tabakforschung. Dresden
Berichte, vol. 11, no. 2, 1964, pp. 183-200.

WTC 70-17076-02D

CSIRO/Number 7512

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Pyrlik, C. and Müller, R.
EXPERIENCES RELATING TO THE METHODS OF
TOBACCO ANALYSIS. Paper read by C. Pyrlik to the
CORESTA Symposium at Istanbul, 23-24 Aug 60.
[1962] 12p. 17 refs.
Order from OTS or SLA \$1.60

63-10722

Trans. of [die] Nahrung (West Germany) 1962,
v. 6, no. 2, p. 166-174.

DESCRIPTORS: *Tobacco, Chemical analysis,
*Nicotine, Carbohydrates, Proteins, *Nitrogen, Amino
acids, Titration.

(Chemistry--Analytical, TT, v. 10, no. 1)

63-10722

I. Pyrlik, C.
II. Müller, R.
III. Title: CORESTA ...

Office of Technical Services

Proteins and Similar Compounds in Tobacco
Communication 2, The Method of Protein
Determination, by Constantin Pyriki, Rudolf
Muller, Tübingen
Chemical, par, East Germanische Periodika, Vol 10,
1963, No 2, pp 205-237
SEA TT-6-16525

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Sci. - Chem

May 67

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Order from K-H \$30.00 K-H-3471-b

Trans. of die Pharmazie (Germany) [1955] v. 10,
p. 806-812.

DESCRIPTORS: *Tobacco, *Nicotine, Smokes,
*Cigarettes, *Pharmacology.

(Chemistry--Analytical, TT, v. 9, no. 7)

62-22652

- I. Pyrlik, C.
- II. K-H-3471-b
- III. Kresge-Hooker Science
Library Associates,
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Pyrikl, C. and Philipp, W.
VOLATILIZATION OF NICOTINE FROM TOBACCO
BY HEAT TREATMENT. [1962] 13p.
Order from K-H \$16.25 K-H 6146-c

Trans. of Institut für Tabakforschung, Ber[ichte]
(East Germany) 1956, v. 3, no. 2, p. 77-87.

DESCRIPTORS: *Tobacco, Heat treatment, *Nicotine,
Vaporization.

(Chemistry, TT, v. 8, no. 8)

62-22661

- I. Pyrikl, C.
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Pyriki, C.
FILTER CIGARETTES AND THEIR ACTION. [1962]
21p.

Order from K-H \$26.25

K-H 6171-a

Trans. of Inst[itut f]ilr] Tabakforsch[ung]. Ber[ichte]
(East Germany) 1956, v. 3, no. 2, p. 310-328.

DESCRIPTORS: *Cigarettes, *Strainers, Tobacco,
*Smokes, Toxicity.

(Biological Sciences--Pathology, T1, v. 8, no. 8)

62-22651

- I. Pyriki, C.
- II. K-H-6171-a
- III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

C223302

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~~Pyrikl, C.~~ and Kunstmann, F. W.
CONTRIBUTION TO THE QUANTITATIVE DETER-
MINATION OF ORGANIC ACIDS IN TOBACCO.
[1962] 20p.
Order from K-H \$25.00

K-H 6146-b

Trans. of Institut für Tabakforsch[ung]. Ber[ichte]
(East Germany) 1956, v. 3, no. 1, p. 60-76.

DESCRIPTORS: Tobacco, Organic acids, Deter-
mination, Quantitative analysis.

I. Pyrikl, C.
II. Kunstmann, F. W.
III. K-H-6146-b
IV. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

C223305

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PAPER. [1962] 11p.
Order from K-H \$13.75

K-H 3236-c

Trans. of Chemische Technik (East Germany) 1953,
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DESCRIPTORS: Cigarettes, *Paper, Analysis.

(Chemistry--Analytical, TT, v. 8, no. 8)

62-22655

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- II. K-H-3236-c
- III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

C223304

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Pyrikl, C.
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Order from K-H \$18.75

K-H 11411-h

Trans. of Pharmazeutische Zentralhalle [für Deutsch-
land] (East Germany) 1961, v. 100, p. 213-221.

DESCRIPTORS: *Cancer, Cigarettes, Smokes,
*Tobacco, Reduction.

(Chemistry--Analytical, TT, v. 8, no. 8)

62-17594

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- II. K-H-11411-h
- III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

C223210

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THE EFFECT OF FILTER CIGARETTES IN RELATION TO THE FILTER MATERIAL AND DRAW RESISTANCE. [1964] 24p 21 refs
Order from SLA \$2.60

TT-64-10992

Trans. of [die] Naturung (West Germany) 1962, v. 6, no. 7/8, p. 752-763.

(Chemistry, TT, v. 11, no. 12)

TT-64-10992

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Order from SLA \$2.60

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EFFECT OF VARIOUS INORGANIC SALTS ON THE
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[1962] 22p.
Order from K-H \$27.50

K-H 6146-d

Trans. of Inst[itut für] Tabakforsch[ung]. Ber[ichte]
(East Germany) 1955, v. 2, no. 1, p. 94-111.

DESCRIPTORS: *Inorganic substances, *Salts, *To-
bacco, Fermentation, Combustion.

(Chemistry--Physical, TT, v. 8, no. 11)

I. Pyrli, C.
II. Philipp, W.
III. K-H-6146-d
IV. Kresge-Hooker Science
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THE VARIATIONS OF ALKALOIDS IN TOBACCO
AND THEIR RECIPROCAL TRANSFORMATION
UNDER THE INFLUENCE OF GRAFTING. [1962]
47p.
Order from K-H \$58.75 K-H-6171-b

Trans. of Institut für Tabakforschung. Berichte
(East Germany) 1956, v. 3, no. 2, p. 248-281.

DESCRIPTORS: "Alkaloids," Tobacco,
Transformations.

(Biological Sciences--Botany, TT, v. 8, no. 11)

62-22660

I. Pyridl, C.
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Pyrki, Constantin and Moldenhauer, Walter.
INFLUENCING CIGARETTE SMOKE BY TREATING
TOBACCO WITH VARIOUS AGENTS. [1963] 9p.
Order from SLA \$1.10 63-14368

Partial trans. (excerpts) of [Institut für Tabakforschung,
Berichte (East Germany) 1960, v. 7, no. 2, p. 216-240].
A complete trans. is available from K-H \$48.75 as
K-H-10969-e [1962].

DESCRIPTORS: *Tobacco, *Cigarettes, Smokes,
Nicotine, Taste, Additives, Carbohydrates.

(Chemistry--Organic, TT, v. 10, no. 3)

63-14368

I. Pyrki, C.
II. Moldenhauer, W.

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Effect of Filter Cigarettes in Relation to the
Filter Material and Draw Resistance., by C. Pyriki.
GERMAN, per, Nahrung, Vol. 6, 1962, pp 732-743.
GB/116

C. PYRIKI

Sci -
July 1967

334-626

Paraffin Hydrocarbons in Tobacco, by Constantin
Pyriki, Frank Hofmann, 55 pp.
Gießen, Ger, Berichte Institut für Tabakforsch-
ung, 1963, vol 10, no 1, pp 65-106.
SLA FF 64-18060

Constantin Pyriki

Jul 66

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Pyzlik, Constantin and Moldenhauer, Walter.
INFLUENCING CIGARETTE SMOKE BY PROCESSING
TOBACCO WITH VARIOUS AGENTS. [1963] 89p
18 refs

Order from SLA \$3.60

TT-64-14583

Trans. of Institut für Tabakforsch[ung]. Ber[ichte]
(East Germany) 1960, v. 7, no. 2, p. 216-240.
Other translations are available from K-H \$48.73 as
K-H-10469-e [1962]; partial trans. (excerpts) from
SLA \$1.10 as TT-63-14368 [1963] 9p.

(Chemistry--Organic, TT, v. 11, no. 11)

TT-64-14583

L. Pyzlik, C.
E. Moldenhauer, W.

1280580

Office of Technical Services

Pyrki, Constantin and Müller, Rudolf.
CONFRONTATION OF METHODS FOR OBJECTIVE
QUALITY DETERMINATION OF CIGARETTE TO-
BACCOS. [1963] 7p.
Order from SLA \$1.10

63-14369

Trans. of unidentified article, n. p., n. d.

DESCRIPTORS: *Quality control, Determination,
Cigarettes, *Tobacco, Chemical analysis.

(Chemistry--Analytical, TT, v. 10, no. 6)

63-14369

I. Pyrki, C.
II. Müller, R.

44450

Office of Technical Services

62-20206

I. Pyriki, C.
II. Richter, K.

Pyriki, Constantin and Richter, Konrad.
NICOTINE TRANSFER DURING STEAM DISTILLA-
TION OF TOBACCO USING VARIOUS ALKALIZA-
TION AGENTS WITH SPECIAL REFERENCE TO
OXYNICOTINE. [1962] 34p. 26 refs.
Order from SLA \$3.60 62-20208

Trans. of Institut für Tabakforschung. Berichte
(East Germany) 1959, v. 6, no. 2, p. 241-264.
Another trans. is available from K-H \$42.50 as
K-H-10281-g [1962] 34p.

DESCRIPTORS: *Tobacco, *Nicotine, Oxygen com-
pounds, Alkaloids, Steam, Distilling plants.

A comparison of the alkalization strength in steam dis-
tillation was made for a determination of the alkaloids
in a larger number of different tobaccos. It could be
shown that small amounts of nicotine often remain in
(Chemistry--Analytical, TT, v. 10, no. 1) (over)

Office of Technical Services

the distillation residues with the use of magnesium oxide, with these amounts being determinable only with sodium hydroxide. The paper-chromatographic investigation showed that these portions do contain certain amounts of nornicotine, but that the greatest portion consisted of nicotine. They were not formed as had been assumed from oxynicotine, but were already present in the tobacco and could not be very easily driven out of the cell structures with the use of a weaker alkalization agent. In contrast, the slow recurrence of nicotine when strongly alkalized tobacco residues were allowed to stand could be attributed to its formation from other tobacco components, but not from oxynicotine. The nicotine obtained in this manner was mainly racemic. (Author)

PS-

62-20208

Pyrid, Constantia.
ON THE FERMENTATION OF TOBACCO. Communi-
cation 4. [1962] 20p.
Order from K-H \$25.00

K-H 3046-b

Trans. of Zeitschrift f[ur] Lebensmittel-Untersuchung
und-Forschung (West Germany) 1954, v. 98,
p. 110-118.

DESCRIPTORS: *Tobacco, *Fermentation.

(Agriculture--Plant Cultivation, TT, v. 9, no. 1)

62-22656

- I. Pyrid, C.
- II. K-H-3046-b
- III. Kreege-Hooker Science
Library Associates,
Detroit, Mich.

A239859

Office of Technical Services

Pyrikl, Constantin.
THE QUANTITATIVE CHANGES OF REDUCING MA-
TERIALS AS WELL AS RESINS AND WAXES. [1962]
13p.
Order from K-H \$16.25

K-H 3161-c

Trans. of Zeitschrift für Lebensmittel-Untersuch-
ung und -Forschung (West Germany) 1954, v. 98,
p. 294-301.

DESCRIPTORS: *Materials, *Resins, *Waxes, Quanti-
tative analysis.

(Materials, TT, v. 9, no. 1)

62-22657

- I. Pyrikl, C.
- II. K-H-3161-c
- III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

1209800

Office of Technical Services

Pyrikl, Constantin.
THE DISTRIBUTION OF ALKALOIDS VOLATILE WITH
STEAM IN THE ORGANS OF NICOTIANA SPECIES IN
TOPPED AND UNTOPPED PLANTS. [1962] 10p.
K-H 5470 c
Order from K-H \$12.50

Trans. of Pharmazeutische Zentralhalle [für Deutsch-
land] (East Germany) 1956, v. 95, Mar. p. 91-96.

DESCRIPTORS: Plants, *Tobacco, *Alkaloids, Distri-
bution, Steam.

(Biological Sciences--Botany, TT, v. 9, no. 1)

62-22653

- I. Pyrikl, C.
- II. K-H-5470-c
- III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

1239855

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Pyrki, Constantin, Müller, Rudolf, and
Moldenhauer, Walter.
[ON] THE OCCURENCE OF POLYCYCLIC HYDRO-
CARBONS IN CIGARETTE SMOKE. II. INVESTIGA-
TION OF THE LIPOPHILE COMPONENTS OF THE
VARIOUS PHASES OF SMOKING AND OF THE TO-
BACCO. Jan 61, 28p.
Order from K-H \$35.00

K-H 10573 e

Trans. of [Institut für Tabakforschung. Berichte]
(East Germany) 1960, v. 7, no. 1, p. 81-102.

DESCRIPTORS: *Cigarettes, Smokes, *Hydrocarbons,
Polycyclic compounds, Tobacco, *Lipids, *Lysines.

(Chemistry--Analytical, TT, v. 9, no. 6)

62-17596

- I. Pyrki, C.
- II. Müller, R.
- III. Moldenhauer, W.
- IV. Title: Investigation ...
- V. K-H-10573-e
- VI. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

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Pyrikl, Constantin.
RELATIONS BETWEEN MATERIAL COMPOSITION
AND "STRENGTH" OF TOBACCO PRODUCTS. [1962]
22p.
Order from K-H \$27.50

K-H 6146-e

Trans. of Institut für Tabakforschung. Berichte
(East Germany) 1955, v. 2, no. 2, p. 127-141.

DESCRIPTORS: *Tobacco, Processing.

(Agriculture--Plant Cultivation, TT, v. 8, no. 8)

62-22654

- I. Pyrikl, C.
- II. K-H-6146-e
- III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

C223303

Office of Technical Services

Pyrikl, Constantin and Richter, Konrad.
NICOTINE TRANSFER DURING STEAM DISTILLA-
TION OF TOBACCO USING VARIOUS ALKALIZA-
TION AGENTS WITH SPECIAL REFERENCE TO
OXYNICOTINE. [1962] 34p.
Order from K-H \$42.50

K-H-10281-g

Trans. of Institut für Tabakforschung. Berichte
(East Germany) 1959, v. 6, no. 2, p. 241-264.

DESCRIPTORS: *Tobacco, *Nicotine, Oxygen com-
pounds, Alkaloids, Steam, Distilling plants.

(Chemistry--Analytical, TT, v. 8, no. 8)

62-17597

- I. Pyrikl, C.
- II. Richter, K.
- III. K-H-10281-g
- IV. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

C223212

Office of Technical Services

Pyriki, Constantin and Müller, Rudolf.
ON THE OCCURRENCE OF POLYCYCLIC HYDRO-
CARBONS IN CIGARETTE SMOKE. [1962] 13p.
Order from K-H \$15.25 K-H 10281-f

Trans. of Institut für Tabak[forschung]. Ber[ichte]
(East Germany) 1959, v. 6, no. 2, p. 231-240.

DESCRIPTORS: *Cigarettes, Smokes, *Hydrocarbons,
*Polycyclic compounds.

62-17595

- I. Pyriki, C.
- II. Müller, R.
- III. K-H-10281-f
- IV. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

C223211

(Chemistry--Organic, TT, v. 8, no. 8)

Office of Technical Services

Pyriki, Constantin and Moldenhauer, Walter.
INFLUENCING CIGARETTE SMOKE BY PROCESS-
ING TOBACCO WITH VARIOUS AGENTS. [1962].
Order from K-H \$48.75 K-H 10969-e

Trans. of Inst[itut für] Tabakforsch[ung]. Ber[ichte]
(East Germany) 1960, v. 7, no. 2, p. 216-240.

DESCRIPTORS: *Tobacco, *Cigarettes, Smokes.

62-17593

- I. Pyriki, C.
- II. Moldenhauer, W.
- III. K-H-10969-e
- IV. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

C223209

(Chemistry--Organic, TT, v. 8, no. 8)

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Pyriki, C[onstantin] and Fritzsche, J.
ON THE QUESTION OF THE EFFICACY OF FILTER
CIGARETTES. [1962] 22p.
Order from K-H \$27.50 K-H 5131-a

Trans. of Z[eitschrift für] Lebensmittel-[Untersuchung]
u[nd] -Forschung (West Germany) 1956, v. 103,
p. 113-121.

DESCRIPTORS: *Cigarettes, *Particulate filters,
*Smokes, Effectiveness.

(Biological Sciences--Toxicology, TT, v. 9, no. 2)

62-22658

- I. Pyriki, C.
- II. Fritzsche, J.
- III. K-H-5131-a
- IV. Kresge-Hooker Science
Library Associates,
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62-22658

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Modifications of Protein and Protein-like Compounds
in the Green Tobacco Plant with reference to Several
Factors, by C. Pyzski.

GERMAN, per, Institut fuer Tabakforschung. Dresden.

Berichte, Vol. 11, no. 1, 1964, pp. 71-79.

WIC 70-17075-020

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Composition of Phytoplankton, by I. L.
Pyrina, 7 pp.

RUSSIAN, bk, Pervichnaya Produktsiya Morey i
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Sci - Biol & Med
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The Education of Youth in Polish Work Enterprises,
by Zygmunt Pyrko, 12 pp.

POLISH, per, Szkoła Zawodowa, No 12, 1959, Warsaw,
pp 6-11.

JPRS 3406

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The Synthesis and Investigation of Hybrid Polymers.
I. Styrene and Isoprene Block Polymers Formed by
Catalytic Polymerization in Solution Under the
Action of Butyl Lithium, by A. A. Korotkov, L. A.
Shibayev, L. M. Pyrkov, 4 pp.

RUSSIAN, per, Vysokomol Soedin, Vol I, No 3, 1959,
pp 443-453.

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Sci - Chem

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Effects of Oxygen and Stirring on Oxidation--
Reduction Polymerization of Acrylonitrile in the
Aqueous Phase, by L. M. Pyrkov, 4 pp.

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Investigation of Secondary Reactions in Radical
Polymerization Processes by the Formation of
"Hybrid" Polymers, by L. M. Pyrkov, S. E. Bresler,
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Aug 60

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In the Name of the Beloved Motherland, by Pyrnkiy.

RUSSIAN, np, Krasnaya Zvezda, 19 Nov 1959.

FBI Daily Review

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Dec 59

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Developments in the Chlorination of Saturated
Hydrocarbons, by Z. S. Smolyan, P. S. Pyryalova,
N. A. Kurdyumova, 17 pp.

RUSSIAN, per, Uspekhi Khim, No 1, 1960,
pp 23-54.

Cleaver-Hume Press

Sci

Sep 60

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Mechanism of the Short-Acting Conditioned Stimulus,
by S. P. Pyshina, 4 pp.

RUSSIAN, per, Zhur Vysshey Nerv Deyatel Dzeni I. P.
Pavlova, Vol X, No 6, 1960, pp 660-~~6~~ 663.

PP

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(DC-5223)

Complex Mechanization of Labor in the Construction
and Repair of Aerial Communications Lines, by I. P.
Pyshkin, V. A. Vopilkin, N. G. Kuz'min, 5 pp.

RUSSIAN, per, Vestnik Svyaz, No 12, 1960, pp 7-9.

JPRS 8163

Sci

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(NY-4694)

Seminar for Communication Engineers and
Technicians, by I. P. Pyshkin, 23 pp.

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JPRS 5616

Sci

Oct 60

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Exact Evaluation of Transients and of Stability for
Sampled-Data Systems With Finite Sampling Time, by
I. V. Pyshkin, 13 pp.

RUSSIAN, per, Avtomat i Telemekh, Vol XXIV, No 10,
1963, pp 1303-1316.

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